

CHAPTER 5

CONSULTATION AND COORDINATION

This chapter describes public involvement, interagency coordination, and the government-to-government consultation that occurred during preparation of the SEIS. Also included is a list of the SEIS authors and a brief description of their responsibility.

5.1 PUBLIC INVOLVEMENT

A notice announcing the preparation of the SEIS was published in the Federal Register on August 3, 2000. A public scoping notice that described the SEIS process, requested public comments and announced the public scoping meetings was sent to a mailing list of over 100.

During September of 2000, public scoping meetings were held in the communities of Lodgepole, Hays and Landusky. Attendance numbered approximately 16, 19, and 16 people, respectively. Oral comments were taken and written comments were received through October 2000.

As part of the scoping process, the agencies made a presentation to the Malta Chamber of Commerce on September 18, 2000, regarding the reclamation project, SEIS analysis, and the alternatives developed by the technical working group. Approximately 13 people attended this meeting.

On May 11, 2001, the Draft SEIS was released for public comment. About 150 copies were sent to individuals or groups on the mailing list. A press release was distributed announcing the availability of the Draft SEIS and the public meeting schedule. Electronic versions of the Draft SEIS were posted on the internet through the BLM and DEQ websites. Public meetings were held to collect comments on the Draft SEIS in the following communities:

- Lodgepole, June 5, 2001
(17 people attended)
- Hays, June 6, 2001
(6 people attended)
- Landusky, June 7, 2001
(21 people attended)

In response to public requests, the comment period was extended through August 9, 2001. A total of 53 comment letters were received on the Draft SEIS. Comments that presented new data, questioned facts or analysis, or raised questions or issues bearing directly upon the alternatives or environmental analysis are responded to in Chapter 6, with corresponding changes made in the Final SEIS analysis. Comments expressing personal opinions or statements were considered but not responded to directly. The Final SEIS has been distributed to the mailing list and the EPA Notice of Availability for the Final SEIS will be published in the Federal Register.

5.2 CONSULTATION with the FORT BELKNAP GOVERNMENT

In a decision dated May 29, 1998, the Interior Board of Land Appeals (IBLA) directed the BLM to consult with the Fort Belknap government over measures needed to protect Tribal water resources and to report back on its efforts in its decision. As part of the government-to-government consultation process BLM, Fort Belknap, EPA and the Montana DEQ formed a technical working group to discuss and analyze the technical issues associated with mine reclamation. The purpose of the technical working group was to resolve what technical issues they could and identify others that required further discussion and possible resolution by the parties' respective managers.

While consultation is not complete until a decision has been made, the following is a chronology of key events and meetings that have been part of BLM's consultation process with the Fort Belknap government on reclamation of the Zortman and Landusky Mines. More detailed documentation of the meetings or events listed below is available from BLM files.

Consultation Chronology

- | | |
|----------|--|
| 06/01/98 | The DEQ and BLM issue a Record of Decision selecting reclamation under Alternative 3 of the 1996 Final EIS, <i>Zortman and Landusky Mines Reclamation Plan Modifications and Mine Life Extensions</i> . |
| 11/20/98 | The IBLA issues an Order that sets aside the BLM Record of Decision of June 1, 1998 and directs that, "...BLM must separately analyze, and consult with the Tribes about, potential effects on Tribal water resources and report on its actions in its decision." |
| 02/01/99 | The BLM Field Manager Rick Hotaling sends a letter to Joseph McConnell, President, Fort Belknap Indian Community Council, requesting initiation of consultation discussions in reference to the IBLA Order. |
| 02/05/99 | A meeting is held in Billings with BLM, DEQ, BIA, Fort Belknap, CSP ² , and EPA to discuss adequacy of the Groundwater Investigation conducted under the Consent Decree and its applicability to final reclamation. |
| 03/09/99 | The Fort Belknap government responds to Mr. Hotaling's letter of February 1, 1999. Fort Belknap requests consultation begin immediately, and provides Fort Belknap's alternative reclamation plan prepared by Jim Kuipers of CSP ² for the BLM to consider. |
| 03/17/99 | The BLM provides all parties a draft report prepared by BLM consulting hydrogeologist Kathy Gallagher that compares and evaluates the groundwater information from the Final Zortman-Landusky EIS, the Groundwater Investigation, and the Public Health Assessment. |

- 03/24/99 A meeting is held in Helena. Attendance includes the Fort Belknap government, BLM, DEQ, and EPA technical staff, management, and legal counsel. Concludes to arrange for meeting of the technical staffs at the mine site to develop reclamation issues.
- 04/14/99 A meeting of the various parties' technical specialists is held at the mine site from 4/14/ to 4/16. Issues covered range from water monitoring to agency support for supplemental funding from Congress. The group agrees to continue discussions on possible immediate reclamation needs.
- 05/11/99 The BLM provides a technical completeness review of the Fort Belknap government's alternative reclamation plan and requests additional information on a variety of components.
- 05/22/99 Interior Secretary Babbitt and BLM State Director Larry Hamilton visit Fort Belknap and hear concerns regarding the mines and reclamation.
- 05/24/99 The EPA Regional Administrator, Bill Yellowtail, meets with the Fort Belknap government to discuss the situation with the mines.
- 05/25/99 A meeting is held in Billings with Bill Yellowtail and Larry Hamilton (plus staffs) to discuss Mr. Yellowtail's recent trip to Fort Belknap. It is agreed to conduct a 30-day working period for the technical people to address the reclamation problem and identify reclamation work that can go forward without conflict while other reclamation aspects are discussed.
- 06/02/99 The BLM management and staff, plus DEQ staff, meet with the Fort Belknap government on reclamation options and how to best achieve consultation. Council President Joseph McConnell asks that the technical people be allowed to develop this as much as possible.
- 06/23/99 The technical working group holds a brief meeting at the mine site. Spectrum Engineering personnel, hired by the agencies to develop the reclamation plans, are introduced to the working group members.
- 07/20/99 A technical working group meeting occurs at the mine site from 7/20 to 7/21. The group discusses use of the Multiple Accounts Analysis (MAA) and various processes for getting some reclamation work done this year.
- 08/24/99 A technical working group meeting occurs at the mine site from 8/24 to 8/25. The group discusses with EPA the King Creek tailing removal project and integration with Landusky Mine reclamation. A tour of the mines and, specifically, the 1999 reclamation work areas, is held for Fort Belknap Indian Community Council members and others.

- 09/01/99 A letter is sent from the BLM Field Manager Rick Hotaling to the Fort Belknap government requesting concurrence on phase 1 interim reclamation for 1999.
- 09/10/99 The final comparison report on groundwater conditions by Kathy Gallagher is distributed to the technical working group. The comparison report generally confirms the FEIS description of groundwater conditions.
- 09/14/99 A letter is received from the Fort Belknap government in general agreement with phase 1 interim reclamation efforts for 1999.
- 09/20/99 The technical working group holds a conference call. The group discusses the Montana Consensus Council contract, work plans, and conduct of the MAA.
- 10/18/99 The technical working group meets at the mine site from 10/18 to 10/19. Facilitation is provided by the Montana Consensus Council. The group discusses MAA development.
- 12/08/99 The technical working group meets in Billings from 12/8 to 12/10. The group discusses the mass balance reports and MAA format, and overall schedule for 2000 reclamation work. The Montana Consensus Council facilitates the meeting on 12/10.
- 01/06/00 A conference call is held among the decisionmakers and their staffs. Included in the call are Joseph McConnell, Larry Hamilton, Bill Yellowtail, and DEQ Director Mark Simonich. The main issue discussed is the Fort Belknap government's demand that the agencies prepare a Supplemental EIS on reclamation of the mines.
- 01/21/00 Bill Yellowtail meets with the Fort Belknap government to discuss mine reclamation and the possible need for a Supplemental EIS.
- 01/24/00 A subgroup of the technical working group, which includes DEQ, BLM, EPA, and Fort Belknap representatives, meets at Zortman to discuss the regulatory triggers that might require preparation of a Supplemental EIS.
- 01/25/00 The technical working group meets in Zortman. Development starts on the MAA for the Zortman Mine reclamation.
- 02/09/00 A major meeting of the technical working group is held in Billings from 2/9 to 2/11 to score the MAA on Zortman Mine reclamation alternatives. The agency decisionmakers also hold a meeting on 2/9 that includes Bill Yellowtail, Larry Hamilton, Joseph McConnell and Mark Simonich. EPA announces it is stepping back from the consultation process and only responding to specific requests for technical assistance. The technical working group holds an expanded meeting on

2/11 that includes individuals and traditionalists from Fort Belknap to provide input for the MAA on cultural and social issues and their relative importance.

- 02/17/00 A letter is sent from the BLM State Director and the DEQ Director to the EPA Regional Administrator confirming that EPA is pulling out of the consultation process and only responding to requests for technical assistance. The BLM and DEQ letter requests assistance in several key technical areas from EPA specialists.
- 02/25/00 The Fort Belknap government and their attorneys meet with Interior Secretary Babbitt in Washington D.C. and visit Congressional offices. The Secretary discusses trust issues and the Grinnell lands issue with the Fort Belknap government.
- 03/08/00 The Fort Belknap government holds a public meeting at Hays to explain the MAA process to residents and receive their input. The BLM and DEQ attend.
- 03/09/00 The Fort Belknap government holds a public meeting at Lodgepole to explain the MAA process to residents and receive their input. The BLM and DEQ attend.
- 03/10/00 Stanley Jaynes (Acting BLM Field Manager), Scott Haight (BLM) and Wayne Jepson (DEQ) meet with the Fort Belknap Indian Community Council to discuss the MAA results and the success of the technical working group. They confirm with the Council an agenda for the 3/24 decisionmakers' meeting.
- 03/20/00 The EPA responds to the BLM-DEQ letter of 2/17/00 requesting technical assistance by saying staff may not be available due to other work priorities and EPA will advise if the situation changes.
- 03/23/00 The technical working group meets in Zortman to discuss MAA development, monitoring, and land application disposal issues.
- 03/24/00 Larry Hamilton and Mark Simonich (plus staffs) meet with the Fort Belknap Indian Community Council. A review of the MAA progress is presented. The BLM and DEQ announce they have decided to prepare a SEIS on the final reclamation plan. The agencies ask Fort Belknap if they want to be a cooperating agency on the SEIS. The Fort Belknap government endorses the agency decision to prepare the SEIS and expresses the desire to continue working with the agencies, even during the lawsuit they intend to file in Federal Court on trust issues. The technical working group presents a plan for interim reclamation in 2000 and 2001.
- 03/28/00 The Fort Belknap government requests EPA to provide technical assistance on both the MAA and the SEIS process.

- 03/29/00 A conference call is held between Bill Yellowtail, Mark Simonich and Larry Hamilton (plus staffs). The callers discuss the recent decisions to prepare the SEIS and EPA providing funding assistance.
- 04/07/00 A phone conversation is held between Scott Haight (BLM) and Jim Kuipers (CSP²-Fort Belknap). Mr. Kuipers states that the Fort Belknap government is not interested in being a cooperating agency on the SEIS, but will be providing input through the consultation process instead.
- 04/12/00 The Fort Belknap government makes a public announcement that they are suing the BLM, BIA and Public Health Service over trust responsibility issues associated with the mines.
- 04/17/00 The agencies receive written concurrence from the Fort Belknap government on interim reclamation plans for the years 2000 and 2001.
- 04/18/00 The technical working group meets in Polson, MT on 4/18 and 4/19. The meeting focuses on the development of the Landusky Mine reclamation MAA and revegetation study needs.
- 04/25/00 The Fort Belknap government files a complaint against the United States in Federal District Court alleging that the BLM, BIA and IHS have violated trust responsibilities by allowing operation of the Zortman and Landusky Mines. The Complaint seeks, amongst other things, a writ of mandamus compelling the BLM to reclaim the mining sites in compliance with the Montana Constitution and the United States' procedural and substantive trust obligations regarding Tribal interests and resources.
- 04/26/00 A letter is received from EPA by DEQ and BLM which says EPA will provide the technical input requested by the agencies. The letter lists people assigned to a team to assist the agencies and says it is awaiting clarification on the role DEQ and BLM want EPA to play in the SEIS.
- 07/25/00 The technical working group meets in Zortman from 7/25 to 7/26. The group works on a consensus scoring for the Landusky Mine MAA and on other items. A tour of the mine site is provided for several Fort Belknap Indian Community Council members.
- 08/02/00 A management meeting is held in Billings. Participants include the BLM Deputy State Director, DEQ Director, EPA Acting Regional Administrator, Fort Belknap Indian Community Council President, and respective staffs. The main topic of discussion is funding sources and status of the SEIS.

- 08/03/00 The EPA Acting Regional Administrator Rebecca Hamner tours the mines with Fort Belknap Indian Community Council members and some Congressional staff.
- 08/28/00 The technical working group meets in Bozeman. The meeting includes management and legal staff. Two simultaneous group meetings are held, one to discuss SEIS preparation and one to discuss MPDES permit development and the water resources monitoring program.
- 09/07/00 A management meeting is held at Fort Belknap. Participants include the BLM Deputy State Director, DEQ Director, EPA Acting Regional Administrator, Fort Belknap Indian Community Council, and respective staffs. The agenda covers the MAA process, interim reclamation and concurrence on its continuance, funding sources, jobs training and development of an interagency memorandum of understanding (MOU) on preparation of the SEIS.
- 09/19/00 The technical working group meets in Zortman from 9/19 to 9/20. The group reviews the MAA scores on both the Zortman and Landusky Mines. A SEIS team meeting is held on 9/21 with all parties in attendance to discuss SEIS preparation and assignments.
- 10/01/00 The BLM amends its Fort Belknap Technical Assistance Agreement to provide another \$15,000 to fund the Fort Belknap government's participation in the technical working group and SEIS efforts. The cumulative funding provided to Fort Belknap is at \$30,000.
- 10/17/00 A SEIS team meeting is held in Billings. Attendance at the meeting includes members of the technical working group from all the parties.
- 11/02/00 The technical working group meets in Billings to discuss finalizing the MAA and the continued role of the working group in the SEIS preparation.
- 11/03/00 A management meeting is held in Billings. Attendees include the BLM Deputy State Director, DEQ Director, EPA Deputy Regional Administrator, Fort Belknap Indian Community Council President, and respective staffs. The group discusses the status and schedule of the SEIS, funding, function of the technical working group, and the preferred alternative identification process.
- 11/07/00 The MOU between the BLM, DEQ, EPA, and the Fort Belknap government on preparation of the SEIS is signed by all parties.
- 11/08/00 A meeting is held in Helena between the BLM, DEQ, EPA staff and Jim Kuipers, representing the Fort Belknap government, to discuss the SEIS content regarding analysis of compliance with applicable laws and regulations.

- 11/27/00 The technical working group meets in Billings to make final revisions to the MAA. The group reviews the loading calculations prepared by Robertson GeoConsultants and discusses the need to provide for the upgrade of water capture facilities across all alternatives.
- 11/30/00 Working drafts of the SEIS text are provided to all MOU parties for their review and comment.
- 12/14/00 A SEIS team meeting is held in Billings. Attendance includes legal and technical representatives from the Fort Belknap government. Fort Belknap's comments on the working drafts of the SEIS are discussed. A revision and review schedule for completion of the Draft SEIS is established.
- 01/04/01 A management meeting is held in Helena to discuss the preferred alternative identification. The Fort Belknap Indian Community Council President is unable to attend, so the preferred alternative discussion is postponed. Remaining managers, staff and legal counsel discuss the range of alternatives in the SEIS. The range is considered adequate, but development by the technical working group of a mid-range reclamation alternative for the Zortman Mine is recommended.
- 01/10/01 The technical working group meets in Bozeman. Alternative Z6 is developed and scored using the MAA process. The group also discusses the SEIS analysis, scheduling and funding.
- 01/22/01 A management meeting is held in Helena to discuss the preferred alternative identification. The technical working group presents the results of the MAA, including new Zortman Mine Alternative Z6. The agencies identify Alternative Z6 as their preferred alternative for the Draft SEIS. Fort Belknap feels they can concur with the identification of Z6. The group then discusses the Landusky Mine reclamation alternatives. The agencies identify Alternative L4 as their preferred alternative. Fort Belknap expresses interest in Alternative L5. The technical working group is directed to look at possible changes to Alternatives L4 and L5 which might either improve L4 performance or address concerns with L5 impacts.
- 01/25/01 A meeting of some technical working group members is held in Helena to discuss Landusky Mine alternative adjustments. No major changes are identified for Alternatives L4 or L5.
- 01/30/01 A meeting of some technical working group members is held in Billings to hear the results of the pilot test on biological treatment of nitrates and selenium in the leach pad waters.

- 02/06/01 The technical working group meets in Bozeman to discuss some changes to Alternative L4, rescore the Landusky Mine MAA, and discuss additional interim reclamation measures.

- 02/12/01 A management meeting is held in Helena to discuss the preferred alternative identification, additional interim reclamation, and comments on the SEIS working drafts. It is agreed that the preferred alternatives identified in the Draft SEIS will be Alternatives Z6 and L4.

- 02/22/01 The second round of working draft SEIS chapters is provided to all parties for their review and comment.

- 03/12/01 A management meeting is held in Helena to discuss final concerns prior to publication of the Draft SEIS.

- 03/16/01 Members of the Fort Belknap Indian Community Council meet with BLM State Director Mat Millenbach to discuss the reclamation status, Grinnell lands transfer, and potential contacts in the Washington offices of the Department of the Interior and BLM.

- 05/01/01 Tour of the mines held for Fort Belknap Council. Two council members, Gene Helgeson and Art Warrior, participated.

- 05/03/01 Management meeting at Fort Belknap. Discussed Fort Belknap's recent trip to D.C. and possibilities of additional funding. Council asked for letter from agencies indicating support of supplemental reclamation funding.

- 05/16/01 Letter sent to Joe McConnell, Fort Belknap President, from Matt Millenbach, State Director, expressing support for the agencies' preferred alternatives.

- 09/25/01 September 25-26, 2001, technical working group meeting in Zortman to discuss Alternatives L4 versus L5, MAA scoring, biological treatment system, and land application.

- 09/27/01 Wayne Jepson, Scott Haight, and Bill Maehl meet with Fort Belknap Councilmen Gene Helgesen, Joe Fox and Curtis Horn to seek concurrence on next interim reclamation proposal. Fort Belknap concurs on most items in request with the exception of some regrading which would be inconsistent with Alternative L5 and some pit floor reclamation which would be inconsistent with Alternative Z5.

5.3 DISTRIBUTION LIST

The following is a list of organizations, businesses, agencies and individuals to whom this Final SEIS has been distributed.

Businesses/Organizations

American Wildlands
Big Flat Electric
Billings Gazette
Buffalo Chasers Society
Center for Science in Public Participation
Chinook Opinion
Environmental Co.
Ezzie's Wholesale, Inc.
First Nations
Great Falls Tribune
Greystone Environmental Consultants
Helena Independent Record
HydroSolutions, Inc.
Indian Law Clinic
Indian Law Resource Center
KEMC Radio
KMMR Radio
KOJM-KPQX Radio
Land and Water Fund
Malta Chamber of Commerce
Mineral Policy Center
Montana Bowhunters Association
Montana Environmental Information Center
Montana Wilderness Association
National Wildlife Federation
Northern Plains Resource Council
Parsons Behle & Latimer
Phelps Dodge Corporation
Phillco Economic Growth Council
Phillips County News
Robertson GeoConsultants, Inc.
SRK Consulting
Spectrum Engineering, Inc.
Square Butte Grazing Association
Western Environmental Law Center
Wild Rockies Field Institute
Wilderness Society

Zortman Mining, Inc.
Zortman Water Users Association

Colleges and Universities

Colorado State University
Fort Belknap College
Montana State University - Northern

Congressional Offices

Congressman Dennis Rehberg
Senator Max Baucus
Senator Conrad Burns

Tribal Government

Fort Belknap Environmental Protection Office
Fort Belknap Fish & Wildlife
Fort Belknap Indian Community Council
Fort Belknap Planning Department

Federal Government

Bureau of Indian Affairs
Bureau of Land Management
Department of Justice
Environmental Protection Agency
Field Solicitor's Office
Fish and Wildlife Service
Forest Service
Fort Belknap Agency/BIA
Interior Board of Land Appeals
Interior Department Field Solicitor

State of Montana

Bureau of Mines and Geology
Department of Environmental Quality

Department of Natural Resources and Conservation

Environmental Quality Council
Fish, Wildlife & Parks
Hardrock Mining Impact Board
Office of the Governor
State Historic Preservation Office

Other State Governments

Alaska Department of Natural Resources
New Mexico Environment Department
New Mexico Energy, Minerals & Natural
Resources Department

County Commissions

Blaine County Commission
Phillips County Commission

Individuals

Mike Aderhold
Charles Alcott
Sheila Askins
Don Bachman
Irene Bailey
Allen Beck
Davy Belgard
A. Phil Bell
Delmar Bigby
Gary Boos
Elaine Broadhead
Kelvin Buchanan
Michael J. Carney
Russell and Julia Cebulski
Christabelle Christenson
Wanda Crasco
Will Crasco
Joy Crawford
Bill Cunningham
Dean Cycon
Duane Diekman
Dean Dirksen

Robert Doerk
Anne Doney
Charles and Arv Duvall
Peg Duvall
Dale Enerson
Byron Ereaux
Charles Floyd
Stan Frasier
Mert and Vicki Freyholtz
Kathy Gallagher
Bonnie Gestring
Joe Ginalias
Randall Gray
Thomas Gregory
Catherine and Bill Halver
Sylvia Harrison
Gene L. Helgeson
Ken and Florence Helgeson
Harold Heppner, Jr.
Daylight Horse Capture
Gary Howell
Carol Kienenberger
Mitchell King
J.R. Kirkaldie
Louis Kirkaldie
Arthur Kleinjan
Darlene Kolczak
Don Kraftenberg
Jim Kuipers
Kimberly Lacey
Stu Levit
Kenneth B. Lewis Sr.
Lonnie Link
Mike Long
Harold Jiggs Main
James Main, Sr.
Rose Main
Vernie Main
Ken Maine

Don Marble
Ally Marshall
Frank McConnell
Virgil McConnell
James McDermand
Stan Meyer
Glenn Miller
Winston Mitchell
Joan Montagne
Russell Morsette
Grace Nesbit
Don Nevriy
Mark Newby
Ina Nez Perce
William Old Chief
Larry Ostwald
Leann Pankratz
Alex Parker
William Patric
Fritz Prellwitz
Craig Roberts
Diana Robinson
Eva Robinson
Paul Robinson
John Ross
Joseph Savage
Darryl Seeley
Leroy Shields

Claudia and Samuel Shimko, Jr.
Ross Simser
Arlo Skari
Dale Slade
Brad Smith
Vernon Smith
Rhonda Snell
Dean Stiffarm
Glenn Terry
Richard Thieltges
Robert Toombs
Hugo Tureck
Ilene LK Wing
Gerry Williams
Lorri Williams
Christy Wilson
Kim Wilson
Dave Winn
Richard and Carol York
Donna Young
Paul Zogg

Libraries

Harlem Public Library
Havre-Hill County Library
Phillips County Library

5.4 LIST of PREPARERS

The Draft and Final Supplemental EIS was prepared by an interdisciplinary team from the Bureau of Land Management (BLM), Montana Department of Environmental Quality (DEQ), and Spectrum Engineering, Inc., a third-party consulting firm working under the direction of the two agencies. The BLM, DEQ, and Spectrum Engineering personnel involved in the production of the Supplemental EIS, their responsibilities and qualifications are listed below.

Bureau of Land Management

Scott Haight

Responsibilities - Project Manager, Geology, Geochemistry
Location - Lewistown Field Office, Lewistown, MT
Education - B.S. Geology

Wendy Favinger

Responsibilities - Economics
Location - Montana State Office, Billings, MT
Education - M.A. Economics

Kay Haight

Responsibilities - Editing, Word Processing
Location - Lewistown Field Office, Lewistown, MT
Education - Legal Secretary

Stanley Jaynes

Responsibilities - Cultural Resources
Location - Lewistown Field Office, Lewistown, MT
Education - M.A. Anthropology

Jim Mitchell

Responsibilities - Geotechnical, Geology
Location - Lewistown Field Office, Lewistown, MT
Education - B.A. Geology

Tim Novotny

Responsibilities - Wildlife, Aquatics
Location - Malta Field Office, Malta, MT
Education - B.S. Fisheries and Wildlife Management

Mary Skordinsky

Responsibilities - Recreation
Location - Malta/Glasgow Field Offices
Education - M.S. Recreation Resources Management

Joan Trent

Responsibilities - Sociology
Location - Montana State Office, Billings, MT
Education - M.En. Environmental Science

Clark Whitehead

Responsibilities - Recreation, Visual Resources
Location - Lewistown Field Office, Lewistown, MT
Education - B.S. Forest Management

Montana Department of Environmental Quality**Wayne Jepson**

Responsibilities - Project Manager, Hydrology, Geochemistry, Water Quality
Location - Helena, MT
Education - M.S. Geology

Roxann Lincoln

Responsibilities - Coordination, NEPA/MEPA Issues, Soils
Location - Helena, MT
Education - B.S. Soil Science

Pat Plantenberg

Responsibilities - Soils, Vegetation
Location - Helena, MT
Education - M.S. Range Science

Peter Werner

Responsibilities - Engineering, Geotechnology
Location - Helena, MT
Education - B.S. Geology & Civil Engineering, M.S. Mining Engineering

Spectrum Engineering Consulting Team

Kathy Gallagher

Responsibilities - Hydrology, Geology
Location - Bozeman, MT
Education - B.S. Geology, Soil Science

Bill Maehl

Responsibilities - Project Manager Reclamation, Alternatives Design & Cost
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Education - B.S. Mining Engineering

Dave Murja

Responsibilities - Reclamation Design, Engineering Calculations
Location - Billings, MT
Education - B.S. Mining Engineering

Tom Osborne

Responsibilities - Water Quality/Hydrology
Location - Billings, MT
Education - B.S. Forestry/Natural Resource Mgmt, M.S. Water Resource Management

Rich Prodgers

Responsibilities - Soils, Vegetation
Location - Dillon, MT
Education - B.S. Forestry, M.S. Land Rehabilitation

Andy Robertson

Responsibilities - Multiple Accounts Analysis, ARD Evaluation
Location - Vancouver, B.C., Canada
Education - B.S. Civil Engineering, Ph.D. Rock Mechanics

Shannon Shaw

Responsibilities - Multiple Accounts Analysis, Geochemistry
Location - Vancouver, BC, Canada
Education - B.S. Geochemistry, M.S. Applied Mineralogy

Christoph Wels

Responsibilities - Reclamation Cover Modeling
Location - Vancouver, B.C., Canada
Education - B.S. Environmental Sciences, M.S. Hydrology, Ph.D. Hydrogeology

5.5 TECHNICAL WORKING GROUP MEMBERS

The individuals listed below served on the technical working group. While participation in the technical working group meetings varied depending upon the agenda, these individuals represent the core group most involved in the alternatives development, multiple accounts analysis, interim reclamation identification, and development of the water resources monitoring program.

Bureau of Land Management

Scott Haight

Jim Mitchell

Department of Environmental Quality

Wayne Jepson

Peter Werner

Environmental Protection Agency

Orville Kiehn

Wes Wilson

Mike Wireman

Fort Belknap Indian Community Council

Dave Chambers (CSP²)

Jim Kuipers (CSP²)

Ina Nez Perce

Dean Stiffarm

Robertson GeoConsultants

Andy Robertson

Shannon Shaw

Spectrum Engineering

Bill Maehl

Kathy Gallagher

Tom Osborne

